

## **ABSTRACT OF THE DISCLOSURE**

Methods and compositions are provided for preventing or inhibiting neuronal  
5 degeneration, or for promoting nerve regeneration, in the central nervous system  
(CNS) or peripheral nervous system (PNS), or for protecting nerves from glutamate  
toxicity, which comprises administering to an individual in need thereof an effective  
amount of the copolymer poly-Glu,Tyr.

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